

Title (en)  
METHOD FOR REGULATING THE TEMPERATURE OF ADMITTED GASES IN A THERMAL ENGINE OF AN AUTOMOBILE AND SYSTEM FOR CARRYING OUT THIS METHOD

Title (de)  
VERFAHREN ZUR REGULIERUNG DER TEMPERATUR DER EINGELASSENEN GASE IN EINEM WÄRMEKRAFTMOTOR EINES AUTOMOBILS UND SYSTEM ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)  
PROCEDE DE REGULATION DE LA TEMPERATURE DES GAZ ADMIS DANS UN MOTEUR THERMIQUE DE VEHICULE AUTOMOBILE ET SYSTEME POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication  
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Application  
**EP 04767443 A 20040624**

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Abstract (en)  
[origin: WO2005001275A2] According to the invention, a desired proportion of cooled or heated induction air and/or induction air that has neither been cooled nor heated and/or cooled recirculated exhaust gases and/or exhaust gases that have neither been cooled nor heated are mixed in order to obtain a mixture at a temperature that is optimal in terms of output, consumption, and emission of pollutants of a thermal engine. The heat exchanger system comprises a first exchanger (2) for the induction air, a flashover bypass (10) of the exchanger (2), a second exchanger (16) for the recirculated gases and a second flashover bypass of said exchanger. Distributing means (14, 26) enable the air and recirculated gases to be distributed between the exchangers and the bypasses. Control means (39) are connected to the distributing means (14, 16) for adjusting the proportion of induction air and recirculated gases according to a defined rule. The invention is for use in automobiles.

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Cited by  
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